OLYMPUS

MICROCASSETTE™ RECORDER

Pearlcorder™ S930

INSTRUCTIONS

IDENTIFICATION OF THE PARTS

1. DATE Button
2. Earphone Jack (EAR)
3. External Microphone Jack (MIC)
4. MIC SENS Selector
5. PAUSE Button
6. Built-in Microphone
7. Record Button (REC)
8. Play Button (PLAY)
9. Stop Button (STOP)
10. Rewind Button (REW / REV)
11. Fast Forward Button (FF / CUE)
12. Speaker
13. VCVA Select Switch (ON / OFF)
14. TAPE SPEED Selector (2.4 cm / s, 1.2 cm / s)
15. MODE Button (Counter / Date / Time)
16. Select Button (SEL)
17. Set Button (SET)
18. LCD Display
19. Battery Chamber
20. External Power Source Jack (DC IN 3V)
21. VOLUME Control Knob
22. RESET Button
23. Tape Running Confirmation Window
24. MICROCASSETTE Eject / Hold Cover

THANK YOU

Thank you for use of the Olympus Pearlcorder S930. The S930 has the following features:

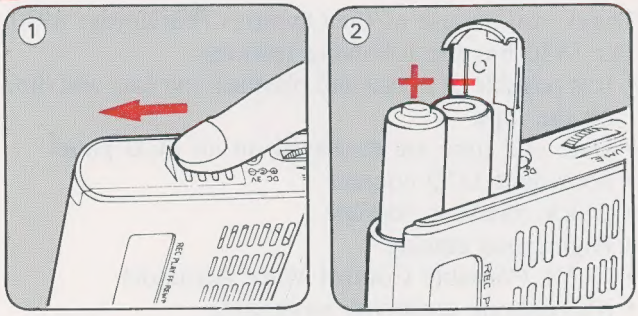
- It is possible to record and playback the date and time on the tape
- Date and time are displayed on an LCD panel
- Four-digit LCD counter
- Quick review is possible
- High-speed erasing
- VCVA (Variable Control Voice Actuator)
- Microphone sensitivity switchable

Before use, please read these instructions carefully for correct use of this equipment for a longer period.

TABLE of CONTENTS

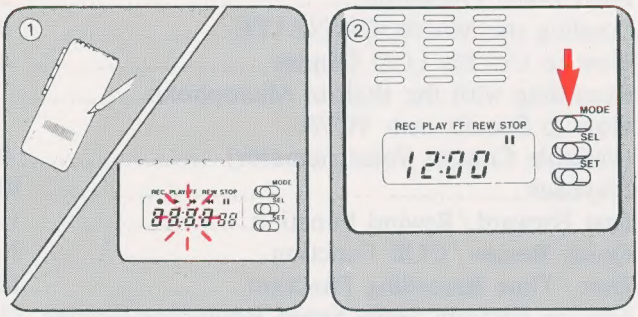
Installing the Batteries 3
For Correct Operation 3
Loading the MICROCASSETTE 4
How to Use the LCD Display 4
Recording with the Built-in Microphone 7
How to Record with VCVA
(Variable Control Voice Actuator) 9
Playback 10
Fast Forward / Rewind Function 11
Quick Review / CUE Function 11
Date / Time Recording Function 12
How to Perform High-Speed Rewinding Erasing 13
LCD Tape Counter Display 13
Tape Speed 14
Full Auto Off 14
Save Mode 14
Prevention of Accidental Erasure 15
Maintenance 15
How to Change the Batteries 16
Care in Handling 16
Helpful Hints 17
Specifications 17
Accessories 18

Installing the Batteries



①Open the battery chamber by sliding the cover in the direction of the arrow.
②Insert two UM-3 (AA size) batteries, with correct polarity and close the battery chamber cover.

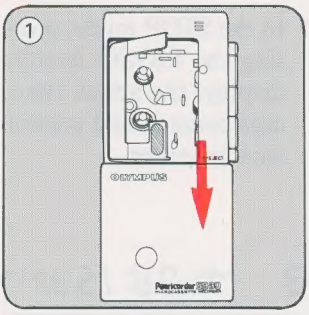
For Correct Operation



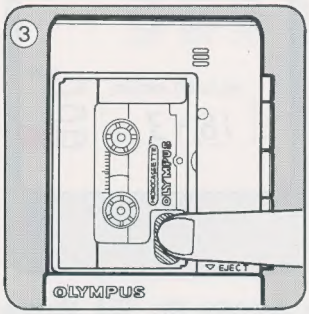
①Press the Reset Button on the rear side of the unit. The LCD display flashes as shown in the illustration.
②Press the MODE Button with the tip of your finger to change to the clock display (the display will show 12.00).
NOW OPERATION IS POSSIBLE

* For correct operation, please confirm these functions at this time.
* To make utmost use of the unit's functions, we recommend that you set the date and time at this stage. (refer to pages 5, 6)

Loading the MICROCASSETTE

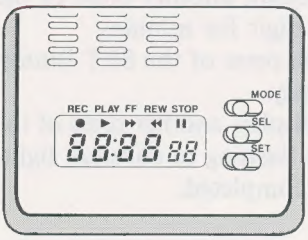


① Slide the cassette cover until the cassette compartment door opens.
② Insert a MICROCASSETTE with the tape-surface up.



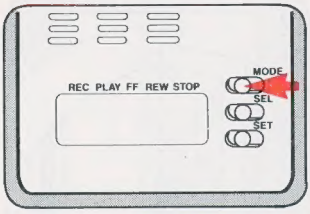
③ Gently press the cassette compartment door on the section indicated by PRESS to close.
④ Close the cassette cover.

How to Use the LCD Display

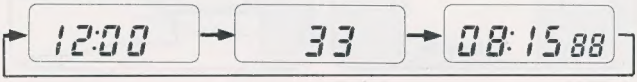


On the LCD panel, the actual time, the current date, the tape counter and tape running condition are displayed.

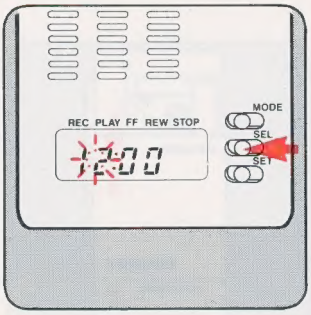
Change of Display MODE



* In the STOP mode, pressing the MODE Button displays the actual time, tape counter, and present date in order.

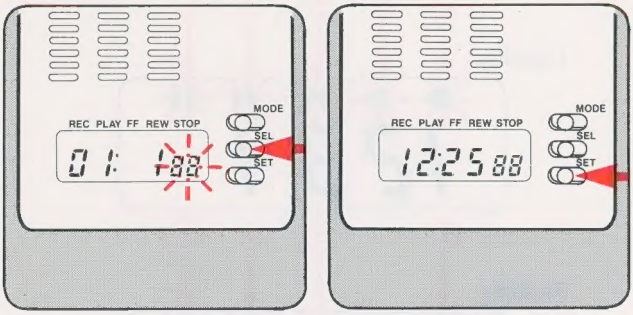


How to Set the Time



1. In the time display mode, **pressing the SEL Button (Select) for about 2 seconds, causes the digit for hour to flash.**
2. Each press of the SET Button changes the time display. Adjust the time to the actual time. Continuous pressing of the SET Button changes the time by each 0.3 sec. The time display is the 24-hour type.
3. Upon fixing the hour display, another press of the SEL Button flashes the digit for minutes.
4. Like fixing the hour, each press of the SET Button changes the minute display.
5. Upon fixing the minute display, another press of the SEL Button changes the flashing to constant lighting, and time setting is completed.

How to Set the Date



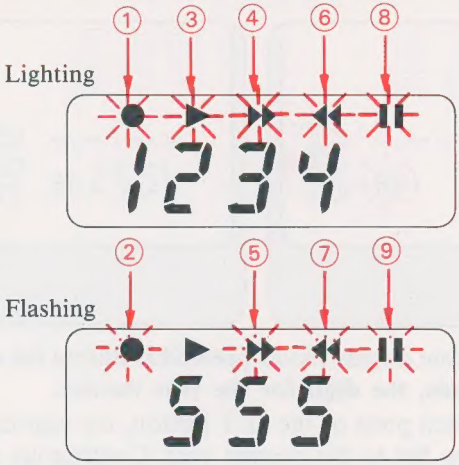
1. In the date display mode, **press SEL Button for about 2 seconds, the digit for the year flashes.**
2. With each press of the SET Button, the year display changes. Set to the present year. Continuous pressing of the SET Button changes the year by one year at a time. The setting range is from 1988 to 2008.
3. Upon fixing the year display, another press of the

4. Like the year, set the month and day in the same manner. Upon fixing the day display, another press of the SEL Button changes the flashing to constant lighting, and the DATE setting is completed.

NOTE:

* Press the buttons with the tip of your finger. (Do not press them in strongly with a sharp-pointed object.)
* Change of display mode, setting and change of time and date should be made in STOP mode.
* When the unit is shipped from the works, date display is set in order of month, day and year. When changing them to the order of day, month and year, in the date display mode, press the SEL Button and SET Button simultaneous ly for about 2 seconds.

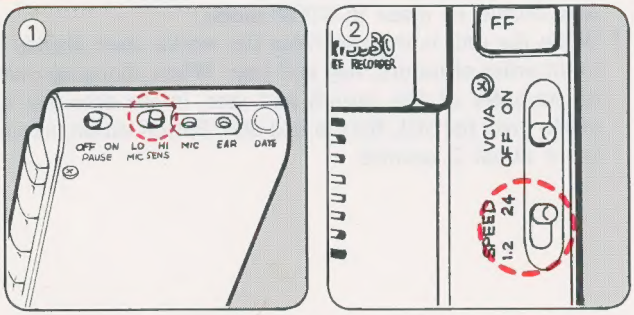
Tape Running Display Mark



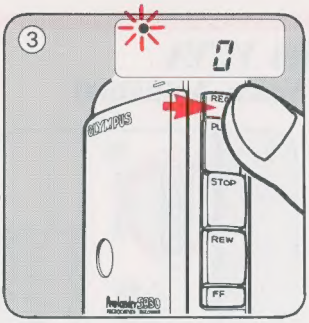
The tape running condition is displayed on the LCD display with the following marks:

① REC Mode
② VCVA Mode
③ PLAY Mode
④ FF Mode
⑤ CUE Mode
⑥ REW Mode
⑦ REV Mode
⑧ STOP Mode
⑨ PAUSE Mode

Recording with the Built-in Microphone

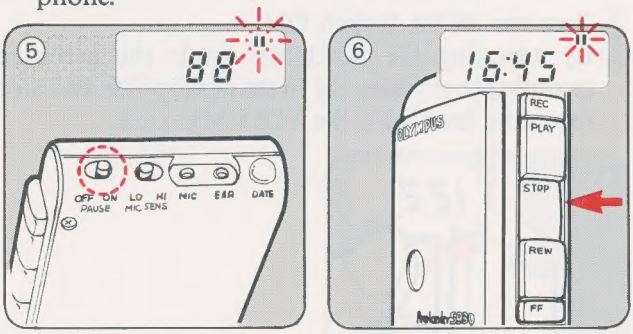


① Set the microphone sensitivity switch to HI or LOW.
② Select the tape speed (2.4 cm / sec or 1.2 cm / sec).



③ Press the REC Button. The REC mark on the LCD panel lights up and changes to counter display.

④ Recording will be made with the built-in microphone.



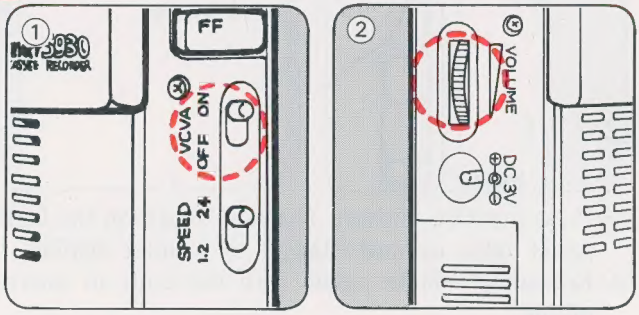
⑤ In REC mode, turning the PAUSE Button ON creates the PAUSE mode; the STOP mark flashes on the LCD. When the PAUSE Button is OFF recording mode resumes.

In PLAY mode, pressing the REC Button starts recording from that point.

⑥ Press the STOP Button to stop recording. Afterwards, the LCD display will change to the Time display mode.

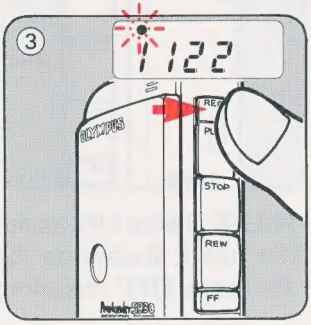
* How to Perform After Recording. During PLAY mode, by pressing REC Button, after-recording can be done. This is convenient for changing some parts of the recorded contents.

How to Record with VCVA (Variable Control Voice Actuator)



① Turn the VCVA Switch ON.

② By adjusting the VOLUME knob, the activated recording level varies. Set to the appropriate activated recording level with the VOLUME knob.



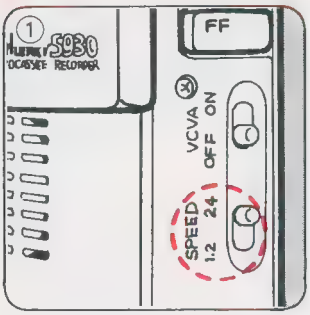
③ Press the REC Button. The REC mark on the LCD panel flashes.

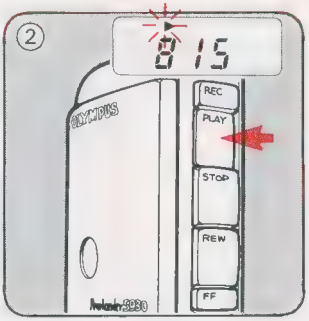
④ When the sound is sensed, recording starts automatically, when the sound stops, 3 to 4 seconds later, recording stops automatically.

NOTE:

* To find a suitable activated recording level, test recording at several VOLUME levels. When VOLUME is MAX, recording starts with a small sound, and at VOLUME MIN the VCVA does not work.

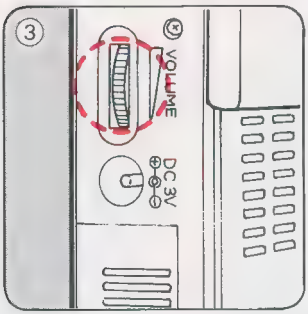
Playback

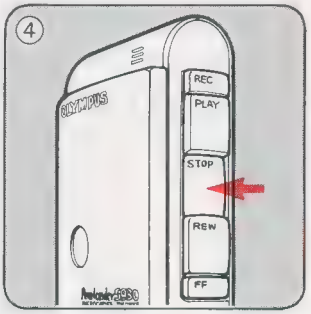




① Set the TAPE SPEED selector at the speed which it has been recorded.

② Press the PLAY Button. The PLAY mark on the LCD panel lights up, showing the counter display.

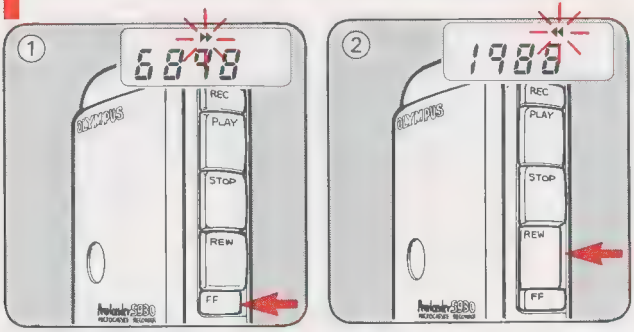




③ Adjust the VOLUME to a suitable level.

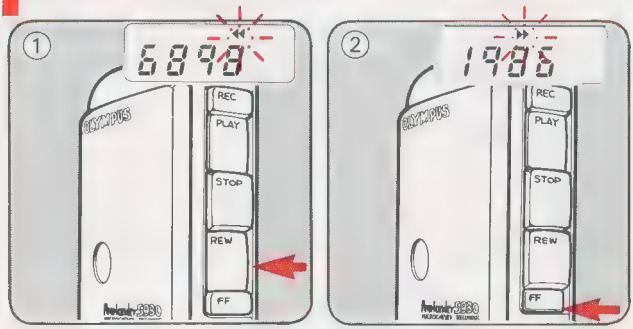
④ To stop the tape, press the STOP Button.

Fast Forward / Rewind Function



①During STOP mode, press the FF (Fast Forward) Button to advance the tape at high speed without sound.
②Press the REW (Rewind) Button to rewind the tape.

Review / CUE Function

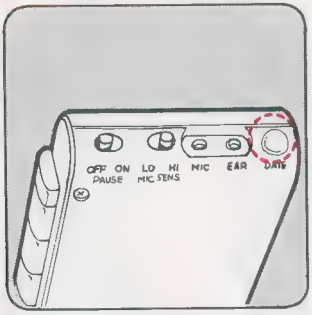


① During PLAY mode, press the REW Button to rewind the tape at high speed with sound (REV).
② In PLAY mode, press the FF Button to advance the tape at high speed with sound until releasing the FF Button by pressing (CUE).
③ During REC mode, pressing the REW Button makes the REC Button resume, and goes into review mode (Quick Review).
④ During CUE / REV mode, when the DATE data recorded is detected, the tape mode becomes the STOP mode.

NOTE:

* Simultaneous pressing of the REW Button and FF Button gives priority to the rewind function.

Date / Time Recording Function



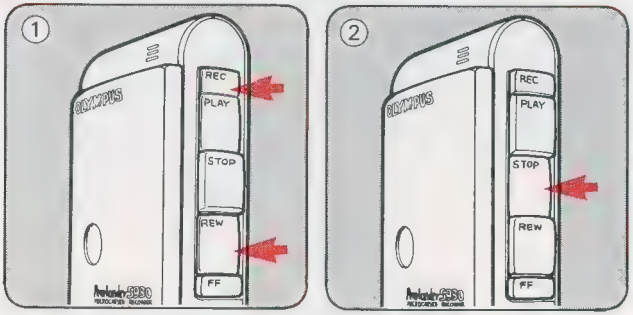
The use of this function lets you know the date of the recorded contents. Also this function can be used for data arrangement and location of the beginning of the recorded section.

* During REC mode, pressing the DATE Button can record the current date and time on the tape. During recording, on the LCD panel, the current date and time are displayed alternately.
* During PLAY mode, when the DATE data is detected, a confirmation tone is sounded and the recorded date and time are displayed on the LCD panel alternately.
* The display of the DATE data changes to the counter display by pressing the MODE Button or any function button other than the STOP. Also, when changing to the PAUSE mode, the display turns into counter display.
* When in the STOP mode, the DATE data repeatedly flashes, after 3 minutes have passed, it turns into the time display.
* During CUE / REV mode, when the tape comes to the DATE data recorded part, it changes into STOP mode. Releasing the depressed button changes it to PLAY mode.

NOTE:

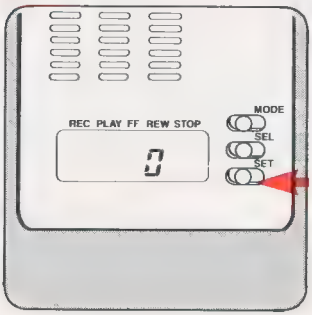
* This function works when the tape speed is set at 2.4 cm / sec.
* If you use Angrom - type tape, this function may not work.

How to Perform High-Speed Rewinding Erasing



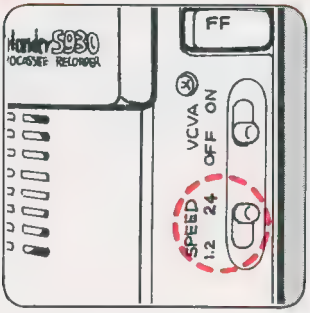
①Simultaneous pressing of the REW Button and REC Button makes high-speed erasing.
②When erasing is completed, press the STOP Button to change to STOP mode.

LCD Tape Counter Display



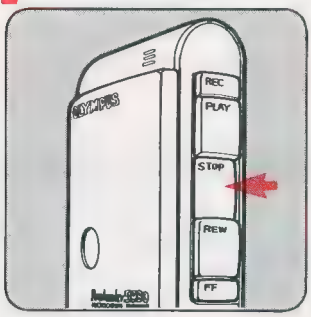
* The LCD counter displays up to four digits. This is convenient for long recording and playback.
* To make the counter "0", during counter display, press the SET Button.

Tape Speed



* For normal recording, 2.4 cm/sec speed is recommendable. This speed provides good sound quality. With the MC-60 MICROCASSETTE, a total of one-hours recording (30 minutes each side) is available.
* For longer recording, use 1.2 cm/sec tape speed. With MC-60, a total of two-hours recording (60 minutes each side) is available.

Full Auto-Off



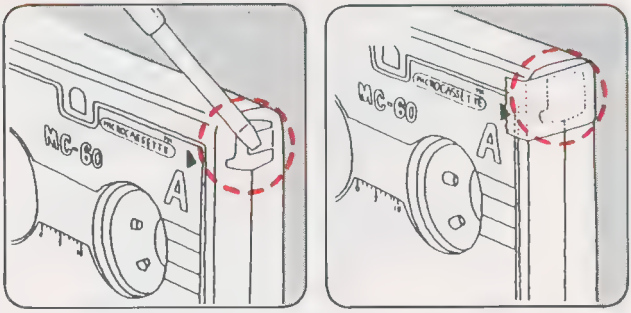
* In REC, PLAY, REW, FF, REV and CUE modes, when the tape comes to the end, the motor stops automatically.

NOTE:
After the motor stops, press the STOP Button to change into STOP mode.

Save Mode

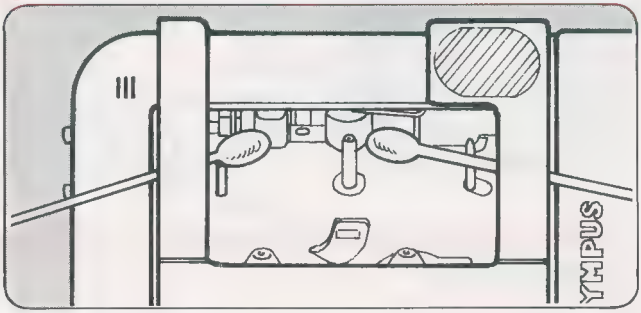
* When STOP mode continues for 3 minutes, the unit goes into energy-saving mode, and the tape running display mark disappears.

Prevention of Accidental Erasure



* MICROCASSETTEs provide "safety lugs" to avoid accidental erasure on both sides. Break the safety lug by pressing with a screwdriver into the inside, then the REC Button cannot work.
* If you wish to record on a MICROCASSETTE with the safety lug removed, cover the hole with plastic tape.

Maintenance



* Keep Rec / Play head clean at all times. For cleaning of the head, use the cleaning cassette tape MC-C2 or apply head cleaning solvent with a swab.

How to Change the Batteries

* When the LCD display becomes dim, it shows that the batteries are weak. Change the batteries to new ones. The unit provides a Memory Back-Up function, and during battery change, for about 20 minutes, the LCD's function can be maintained.
* Open the battery chamber cover, take the batteries out.

Care in Handling

1. Avoid exposing the unit to direct sunlight, high temperature, high humidity or strong magnetic fields.
2. To clean the unit, do not use solvent such as benzine or thinner.
3. To operate this recorder with an AC adaptor, be sure to use the dedicated AC adaptor. Other adaptors may cause damage to it.
4. If you are not likely to use the recorder for an extended period of time, or if you are going to use it with the AC adaptor for a long time, remove the batteries.
5. If during operation, trouble occurs in the display or operation, press the RESET Button located at the rear side of the unit. Press the RESET Button with a ballpoint pen as shown in the illustration. Do not use things with a sharp point or that may easily break off. The use of such things may cause other troubles such as continuous ON mode of the RESET Button or damage to the button.

Helpful Hints

Q1, When the MICROCASSETTE cannot be loaded.
A1, You may be attempting to insert the MICROCASSETTE backward.
Q2, When the tape doesn't run.
A2, The batteries may have run down.
The batteries may have been inserted upside-down.
The AC Adaptor may not have been plugged securely.
Q3, When the sound level is unstable or low.
A3, The battries may have run down.
The Rec / Play head and / or pinch roller may be dirty.
Q4, When the previously recorded material is not erased completely.
A4, The Rec / Play head may be dirty.

Specifications

Tape: MICROCASSETTE
Tracks: 2 tracks, 1 channel monophonic
Drive System: Capstan drive
Tape Speed: 2.4 cm/s and 1.2 cm/s
Mic Sensitivity Selector: Hi—Low
Voice Activation: Continuous adjustment using volume control in VCVA recording mode
Speaker: 28 mm dynamic speaker
Power Source: Rated voltage 3V DC
Batteries: Two 1.5V "AA" penlight batteries
AC Adaptor: 3V DC rated
Earphone Jack: 2.5 mm ϕ, Impedance 8Ω
External Microphone Jack: 2.5 mm ϕ, Impedance 2kΩ
Practical Max. Output: 170 mW (EIAJ) at 2.4 cm/s
Overall Frequency Response: 300—4000Hz at 2.4 cm/s
Clock Accuracy: ±60 sec. / month
Display set until the year 2008
Dimensions: 127 × 58 × 23.5 mm (5 × 2.3 × 0.9 inch) (excluding protrusions)
Weight: 173 g (6.1 oz.) (with Batteries)

* TM signifies a trademark of Olympus Optical Co., Ltd.
** Specifications subject to change without notice.

Accessories

Earphone E89
Amp / Speaker Unit SP2A
Plug Adaptor PA1
Connecting Cord KA232
Electret Condenser Microphones
ME4·ME4A·ME7·ME9
Telephone Pickup TP2, TP3
Erase Plug EP1
Battery Case AB321 (size C)
Car Adaptor AM301 (To cigarette lighter socket)
AC Adaptor (120V, 220V, 240V) A316 (100—240V)

FCC Notice

"This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— reorient the receiving antenna
— relocate the computer with respect to the receiver
— move the computer away from the receiver
— plug the computer into a different outlet so that computer and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio / television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems" This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-00-00345-4."

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